

1. A driving circuit for an electro-optical device that performs image display by driving a plurality of pixels formed in a matrix on a substrate according to an analog image signal, the driving circuit comprising:

a storage device that stores said digital signal; and  
a D/A conversion circuit that converts a digital signal, which is stored in said storage device, into an analog signal and that supplies said analog signal to said pixels.

said A/D conversion circuit comprising a plurality of A/D converters that convert analog image signals held in said plurality of sampling circuits into digital signals,

said D/A conversion circuit comprising a plurality of D/A converters that convert a plurality of digital signals stored in said storage device into analog signals and that supply the analog signals to a plurality of pixels.

4. The driving circuit for an electro-optical device according to claim 1, said storage device storing a plurality of digital signals obtained from said A/D conversion circuit within a fixed period,

said D/A conversion circuit comprising a plurality of D/A converters that convert a plurality of digital signals stored in said storage device into analog signals and that supply the analog signals to a plurality of pixels.

5        5.        The driving circuit for an electro-optical device according to claim 4, further comprising a path that supplies a digital signal obtained from said A/D conversion circuit to said storage device, and a path that supplies a digital signal received from an external circuit to said storage device.

10       6.       The driving circuit for an electro-optical device according to claim 1, said D/A conversion circuit comprising a D/A converter that generates an analog signal obtained by performing nonlinear conversion on an analog signal corresponding to a digital signal stored in said storage device, from said digital signal.

7.       The driving circuit for an electro-optical device according to claim 1, further comprising thin film transistors on said substrate.

15       8.       An electro-optical device comprising the driving circuit for an electro-optical device according to claim 1.

9.       Electronic equipment using the electro-optical device according to claim 8 as a display device.

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